

**Course Name** - Principles of Digital Communications

**Faculty Name** - Prof. S.N. Merchant

**Institute Name** - IIT Bombay

**Course Syllabus** -

1 Introduction I

2 Source Coding Theorem II

3 Mutual Information I

4 Signal Space Representations II

5 Optimum Receiver I

6 Quantizer Design I

7 Quantizer Design VI

8 Pulse Shaping I

9 Equalization II

10 Digital Modulation Methods V

11 Digital Modulation Methods X

12 Error Control Coding I